



SEQUENCE LISTING

<110> Ish-Horowicz, David
Henrique , Domingos Manuel Pinto
Lewis, Julian Hart
Artavanis Tsakonas, Spyridon
Gray, Grace

<120> ANTIBODIES TO VERTEBRATE DELTA PROTEINS
AND FRAGMENTS

<130> 7326-122-999

<140> 09/783,931

<141> 2001-02-15

<150> 08/981,392

<151> 1997-12-22

<150> PCT/US96/11178

<151> 1996-06-28

<150> 60/000,589

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<170> FastSEQ for Windows Version 4.0

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Lys His Tyr Gln Ala Ser Val Ser Pro Glu Pro Pro Cys Thr Tyr Gly	
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<212> PRT
<213> Xenopus

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<400> 5
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Cys Gln Ile Ser Cys Ser Gly Leu Phe Glu Leu Arg Leu Gln Glu Phe
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Val Asn Lys Lys Gly Leu Leu Gly Asn Met Asn Cys Cys Arg Pro Gly
35 40 45
Ser Leu Ala Ser Leu Gln Arg Cys Glu Cys Lys Thr Phe Phe Arg Ile
50 55 60
Cys Leu Lys His Tyr Gln Ser Asn Val Ser Pro Glu Pro Pro Cys Thr
65 70 75 80
Tyr Gly Gly Ala Val Thr Pro Val Leu Gly Thr Asn Ser Phe Val Val
85 90 95
Pro Glu Ser Ser Asn Ala Asp Pro Thr Phe Ser Asn Pro Ile Arg Phe
100 105 110
Pro Phe Gly Phe Thr Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu Ala
115 120 125
Ile His Ala Asp Ser Ala Asp Asp Leu Asn Thr Glu Asn Pro Glu Arg
130 135 140
Leu Ile Ser Arg Leu Ala Thr Gln Arg His Leu Thr Val Gly Glu Gln
145 150 155 160
Trp Ser Gln Asp Leu His Ser Ser Asp Arg Thr Glu Leu Lys Tyr Ser
165 170 175
Tyr Arg Phe Val Cys Asp Glu Tyr Tyr Tyr Gly Glu Gly Cys Ser Asp
180 185 190
Tyr Cys Arg Pro Arg Asp Asp Ala Phe Gly His Phe Ser Cys Gly Glu
195 200 205
Lys Gly Glu Lys Leu Cys Asn Pro Gly Trp Lys Gly Leu Tyr Cys Thr
210 215 220
Glu Pro Ile Cys Leu Pro Gly Cys Asp Glu His His Gly Tyr Cys Asp
225 230 235 240
Lys Pro Gly Glu Cys Lys Cys Arg Val Gly Trp Gln Gly Arg Tyr Cys

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				245					250					255			
Asp	Glu	Cys	Ile	Arg	Tyr	Pro	Gly	Cys	Leu	His	Gly	Thr	Cys	Gln	Gln		
			260					265					270				
Pro	Trp	Gln	Cys	Asn	Cys	Gln	Glu	Gly	Trp	Gly	Gly	Leu	Phe	Cys	Asn		
		275					280					285					
Gln	Asp	Leu	Asn	Tyr	Cys	Thr	His	His	Lys	Pro	Cys	Glu	Asn	Gly	Ala		
	290					295					300						
Thr	Cys	Thr	Asn	Thr	Gly	Gln	Gly	Ser	Tyr	Thr	Cys	Ser	Cys	Arg	Pro		
305					310					315					320		
Gly	Tyr	Thr	Gly	Ser	Asn	Cys	Glu	Ile	Glu	Val	Asn	Glu	Cys	Asp	Ala		
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Asn	Pro	Cys	Lys	Asn	Gly	Gly	Ser	Cys	Ser	Asp	Leu	Glu	Asn	Ser	Tyr		
			340					345					350				
Thr	Cys	Ser	Cys	Pro	Pro	Gly	Phe	Tyr	Gly	Lys	Asn	Cys	Glu	Leu	Ser		
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Ala	Met	Thr	Cys	Ala	Asp	Gly	Pro	Cys	Phe	Asn	Gly	Gly	Arg	Cys	Ala		
	370					375					380						
Asp	Asn	Pro	Asp	Gly	Gly	Tyr	Ile	Cys	Phe	Cys	Pro	Val	Gly	Tyr	Ser		
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Gly	Phe	Asn	Cys	Glu	Lys	Lys	Ile	Asp	Tyr	Cys	Ser	Ser	Asn	Pro	Cys		
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Ala	Asn	Gly	Ala	Arg	Cys	Glu	Asp	Leu	Gly	Asn	Ser	Tyr	Ile	Cys	Gln		
			420					425					430				
Cys	Gln	Glu	Gly	Phe	Ser	Gly	Arg	Asn	Cys	Asp	Asp	Asn	Leu	Asp	Asp		
	435					440						445					
Cys	Thr	Ser	Phe	Pro	Cys	Gln	Asn	Gly	Gly	Thr	Cys	Gln	Asp	Gly	Ile		
	450				455					460							
Asn	Asp	Tyr	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Tyr	Ile	Gly	Lys	Asn	Cys		
465				470						475					480		
Ser	Met	Pro	Ile	Thr	Lys	Cys	Glu	His	Asn	Pro	Cys	His	Asn	Gly	Ala		
			485					490						495			
Thr	Cys	His	Glu	Arg	Asn	Asn	Arg	Tyr	Val	Cys	Gln	Cys	Ala	Arg	Gly		
			500					505					510				
Tyr	Gly	Gly	Asn	Asn	Cys	Gln	Phe	Leu	Leu	Pro	Glu	Glu	Lys	Pro	Val		
		515				520						525					
Val	Val	Asp	Leu	Thr	Glu	Lys	Tyr	Thr	Glu	Gly	Gln	Ser	Gly	Gln	Phe		
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Pro	Trp	Ile	Ala	Val	Cys	Ala	Gly	Ile	Val	Leu	Val	Leu	Met	Leu	Leu		
545				550						555				560			
Leu	Gly	Cys	Ala	Ala	Val	Val	Val	Cys	Val	Arg	Val	Arg	Val	Gln	Lys		
			565					570						575			
Arg	Arg	His	Gln	Pro	Glu	Ala	Cys	Arg	Gly	Glu	Ser	Lys	Thr	Met	Asn		
			580					585					590				
Asn	Leu	Ala	Asn	Cys	Gln	Arg	Glu	Lys	Asp	Ile	Ser	Val	Ser	Phe	Ile		
		595				600						605					
Gly	Thr	Thr	Gln	Ile	Lys	Asn	Thr	Asn	Lys	Lys	Ile	Asp	Phe	Leu	Ser		
	610				615						620						
Glu	Ser	Asn	Asn	Glu	Lys	Asn	Gly	Tyr	Lys	Pro	Arg	Tyr	Pro	Ser	Val		
625				630						635					640		
Asp	Tyr	Asn	Leu	Val	His	Glu	Leu	Lys	Asn	Glu	Asp	Ser	Pro	Lys	Glu		
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Glu	Arg	Ser	Lys	Cys	Glu	Ala	Lys	Cys	Ser	Ser	Asn	Asp	Ser	Asp	Ser		
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Glu	Asp	Val	Asn	Ser	Val	His	Ser	Lys	Arg	Asp	Ser	Ser	Glu	Arg	Arg		
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Arg	Pro	Asp	Ser	Ala	Tyr	Ser	Thr	Ser	Lys	Asp	Thr	Lys	Tyr	Gln	Ser		
	690				695						700						
Val	Tyr	Val	Ile	Ser	Asp	Glu	Lys	Asp	Glu	Cys	Ile	Ile	Ala	Thr	Glu		
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Val																	

<210> 6
 <211> 832
 <212> PRT
 <213> Drosophila

<400> 6
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 Phe Ser Asn Asp His Gly Arg Asp Asn Glu Gly Arg Cys Cys Ser Gly
 35 40 45
 Glu Ser Asp Gly Ala Thr Gly Lys Cys Leu Gly Ser Cys Lys Thr Arg
 50 55 60
 Phe Arg Leu Cys Leu Lys His Tyr Gln Ala Thr Ile Asp Thr Thr Ser
 65 70 75 80
 Gln Cys Thr Tyr Gly Asp Val Ile Thr Pro Ile Leu Gly Glu Asn Ser
 85 90 95
 Val Asn Leu Thr Asp Ala Gln Arg Phe Gln Asn Lys Gly Phe Thr Asn
 100 105 110
 Pro Ile Gln Phe Pro Phe Ser Phe Ser Trp Pro Gly Thr Phe Ser Leu
 115 120 125
 Ile Val Glu Ala Trp His Asp Thr Asn Asn Ser Gly Asn Ala Arg Thr
 130 135 140
 Asn Lys Leu Leu Ile Gln Arg Leu Leu Val Gln Gln Val Leu Glu Val
 145 150 155 160
 Ser Ser Glu Trp Lys Thr Asn Lys Ser Glu Ser Gln Tyr Thr Ser Leu
 165 170 175
 Glu Tyr Asp Phe Arg Val Thr Cys Asp Leu Asn Tyr Tyr Gly Ser Gly
 180 185 190
 Cys Ala Lys Phe Cys Arg Pro Arg Asp Asp Ser Phe Gly His Ser Thr
 195 200 205
 Cys Ser Glu Thr Gly Glu Ile Ile Cys Leu Thr Gly Trp Gln Gly Asp
 210 215 220
 Tyr Cys His Ile Pro Lys Cys Ala Lys Gly Cys Glu His Gly His Cys
 225 230 235 240
 Asp Lys Pro Asn Gln Cys Val Cys Gln Leu Gly Trp Lys Gly Ala Leu
 245 250 255
 Cys Asn Glu Cys Val Leu Glu Pro Asn Cys Ile His Gly Thr Cys Asn
 260 265 270
 Lys Pro Trp Thr Cys Ile Cys Asn Glu Gly Trp Gly Gly Leu Tyr Cys
 275 280 285
 Asn Gln Asp Leu Asn Tyr Cys Thr Asn His Arg Pro Cys Lys Asn Gly
 290 295 300
 Gly Thr Cys Phe Asn Thr Gly Glu Gly Leu Tyr Thr Cys Lys Cys Ala
 305 310 315 320
 Pro Gly Tyr Ser Gly Asp Asp Cys Glu Asn Glu Ile Tyr Ser Cys Asp
 325 330 335
 Ala Asp Val Asn Pro Cys Gln Asn Gly Gly Thr Cys Ile Asp Glu Pro
 340 345 350
 His Thr Lys Thr Gly Tyr Lys Cys His Cys Arg Asn Gly Trp Ser Gly
 355 360 365
 Lys Met Cys Glu Glu Lys Val Leu Thr Cys Ser Asp Lys Pro Cys His
 370 375 380
 Gln Gly Ile Cys Arg Asn Val Arg Pro Gly Leu Gly Ser Lys Gly Gln
 385 390 395 400
 Gly Tyr Gln Cys Glu Cys Pro Ile Gly Tyr Ser Gly Pro Asn Cys Asp
 405 410 415
 Leu Gln Leu Asp Asn Cys Ser Pro Asn Pro Cys Ile Asn Gly Gly Ser

			420					425					430				
Cys	Gln	Pro	Ser	Gly	Lys	Cys	Ile	Cys	Pro	Ser	Gly	Phe	Ser	Gly	Thr		
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Arg	Cys	Glu	Thr	Asn	Ile	Asp	Asp	Cys	Leu	Gly	His	Gln	Cys	Glu	Asn		
	450					455						460					
Gly	Gly	Thr	Cys	Ile	Asp	Met	Val	Asn	Gln	Tyr	Arg	Cys	Gln	Cys	Val		
465					470					475					480		
Pro	Gly	Phe	His	Gly	Thr	His	Cys	Ser	Ser	Lys	Val	Asp	Leu	Cys	Leu		
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Ile	Arg	Pro	Cys	Ala	Asn	Gly	Gly	Thr	Cys	Leu	Asn	Leu	Asn	Asn	Asp		
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Tyr	Gln	Cys	Thr	Cys	Arg	Ala	Gly	Phe	Thr	Gly	Lys	Asp	Cys	Ser	Val		
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Asp	Ile	Asp	Glu	Cys	Ser	Ser	Gly	Pro	Cys	His	Asn	Gly	Gly	Thr	Cys		
	530					535					540						
Met	Asn	Arg	Val	Asn	Ser	Phe	Glu	Cys	Val	Cys	Ala	Asn	Gly	Phe	Arg		
545					550					555					560		
Gly	Lys	Gln	Cys	Asp	Glu	Glu	Ser	Tyr	Asp	Ser	Val	Thr	Phe	Asp	Ala		
				565					570					575			
His	Gln	Tyr	Gly	Ala	Thr	Thr	Gln	Ala	Arg	Ala	Asp	Gly	Leu	Ala	Asn		
		580						585					590				
Ala	Gln	Val	Val	Leu	Ile	Ala	Val	Phe	Ser	Val	Ala	Met	Pro	Leu	Val		
	595						600					605					
Ala	Val	Ile	Ala	Ala	Cys	Val	Val	Phe	Cys	Met	Lys	Arg	Lys	Arg	Lys		
	610					615					620						
Arg	Ala	Gln	Glu	Lys	Asp	Asn	Ala	Glu	Ala	Arg	Lys	Gln	Asn	Glu	Gln		
625					630					635					640		
Asn	Ala	Val	Ala	Thr	Met	His	His	Asn	Gly	Ser	Ala	Val	Gly	Val	Ala		
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Leu	Ala	Ser	Ala	Ser	Met	Gly	Gly	Lys	Thr	Gly	Ser	Asn	Ser	Gly	Leu		
		660						665				670					
Thr	Phe	Asp	Gly	Gly	Asn	Pro	Asn	Ile	Ile	Lys	Asn	Thr	Trp	Asp	Lys		
	675						680					685					
Ser	Val	Asn	Asn	Ile	Cys	Ala	Ser	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala		
	690				695					700							
Ala	Ala	Ala	Asp	Glu	Cys	Leu	Met	Tyr	Gly	Gly	Tyr	Val	Ala	Ser	Val		
705					710					715					720		
Ala	Asp	Asn	Asn	Asn	Ala	Asn	Ser	Asp	Phe	Cys	Val	Ala	Pro	Leu	Gln		
				725					730					735			
Arg	Ala	Lys	Ser	Gln	Lys	Gln	Leu	Asn	Thr	Asp	Pro	Thr	Leu	Met	His		
			740					745					750				
Arg	Gly	Ser	Pro	Ala	Gly	Thr	Ser	Ala	Lys	Gly	Ala	Ser	Gly	Gly	Gly		
	755						760					765					
Pro	Gly	Ala	Ala	Glu	Gly	Lys	Arg	Ile	Ser	Val	Leu	Gly	Glu	Gly	Ser		
	770					775					780						
Tyr	Cys	Ser	Gln	Arg	Trp	Pro	Ser	Leu	Ala	Ala	Ala	Gly	Val	Ala	Gly		
785					790					795					800		
Asp	Leu	Phe	Ile	Gln	Leu	Met	Ala	Ala	Ala	Ser	Val	Ala	Gly	Thr	Asp		
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Gly	Thr	Ala	Gln	Gln	Arg	Ser	Val	Val	Cys	Gly	Thr	Pro	His	Met			
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<210> 7
 <211> 46
 <212> PRT
 <213> Drosophila

<400> 7
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Cys Arg Pro Arg Asp Asp Gln Phe Gly His Tyr Ala Cys Gly Ser Glu
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 Gly Gln Lys Leu Cys Leu Asn Gly Trp Gln Gly Val Asn Cys
 35 40 45

<210> 8
 <211> 45
 <212> PRT
 <213> Gallus gallus

<400> 8
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 Arg Pro Arg Asp Asp Phe Phe Thr His His Thr Cys Asp Gln Asn Gly
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 Asn Lys Thr Cys Leu Glu Gly Trp Thr Gly Pro Glu Cys
 35 40 45

<210> 9
 <211> 43
 <212> PRT
 <213> Drosophila

<400> 9
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 Ile Ala Asn Ala Lys Leu His Trp Glu Cys Ser Thr His Gly Val Arg
 20 25 30
 Arg Cys Ser Ala Gly Trp Ser Gly Glu Asp Cys
 35 40

<210> 10
 <211> 45
 <212> PRT
 <213> Drosophila

<400> 10
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 Arg Leu Arg Cys Asp Ile Gly Trp Met Gly Pro His Cys
 35 40 45

<210> 11
 <211> 2692
 <212> DNA
 <213> mouse

<220>
 <221> CDS
 <222> (31)...(2199)
 <223> Mouse Delta (M-Delta-1) gene

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 Ala Met Gly Arg Arg Ser Ala Leu

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gcc	ctt	gcc	gtg	gtc	tct	gcc	ctg	ctg	tgc	cag	gtc	tgg	agc	tcc	ggc	102																
Ala	Leu	Ala	Val	Val	Ser	Ala	Leu	Leu	Cys	Gln	Val	Trp	Ser	Ser	Gly																	
		10					15					20																				
gta	ttt	gag	ctg	aag	ctg	cag	gag	ttc	gtc	aac	aag	aag	ggg	ctg	ctg	150																
Val	Phe	Glu	Leu	Lys	Leu	Gln	Glu	Phe	Val	Asn	Lys	Lys	Gly	Leu	Leu																	
		25					30					35				40																
ggg	aac	cgc	aac	tgc	tgc	cgc	ggg	ggc	tct	ggc	ccg	cct	tgc	gcc	tgc	198																
Gly	Asn	Arg	Asn	Cys	Cys	Arg	Gly	Gly	Ser	Gly	Pro	Pro	Cys	Ala	Cys																	
				45					50						55																	
agg	acc	ttc	ttt	cgc	gta	tgc	ctc	aag	cac	tac	cag	gcc	agc	gtg	tca	246																
Arg	Thr	Phe	Phe	Arg	Val	Cys	Leu	Lys	His	Tyr	Gln	Ala	Ser	Val	Ser																	
				60					65						70																	
ccg	gag	cca	ccc	tgc	acc	tac	ggc	agt	gcc	gtc	acg	cca	gtg	ctg	ggg	294																
Pro	Glu	Pro	Pro	Cys	Thr	Tyr	Gly	Ser	Ala	Val	Thr	Pro	Val	Leu	Gly																	
				75					80						85																	
gtc	gac	tcc	ttc	agc	ctg	cct	gat	ggc	gca	ggc	atc	gac	ccc	gcc	ttc	342																
Val	Asp	Ser	Phe	Ser	Leu	Pro	Asp	Gly	Ala	Gly	Ile	Asp	Pro	Ala	Phe																	
		90					95					100																				
agc	aac	ccc	atc	cga	ttc	ccc	ttc	ggc	ttc	acc	tgg	cca	ggg	acc	ttc	390																
Ser	Asn	Pro	Ile	Arg	Phe	Pro	Phe	Gly	Phe	Thr	Trp	Pro	Gly	Thr	Phe																	
		105					110					115				120																
tct	ctg	atc	att	gaa	gcc	ctc	cat	aca	gac	tct	ccc	gat	gac	ctc	gca	438																
Ser	Leu	Ile	Ile	Glu	Ala	Leu	His	Thr	Asp	Ser	Pro	Asp	Asp	Leu	Ala																	
				125					130						135																	
aca	gaa	aac	cca	gaa	aga	ctc	atc	agc	cgc	ctg	acc	aca	cag	agg	cac	486																
Thr	Glu	Asn	Pro	Glu	Arg	Leu	Ile	Ser	Arg	Leu	Thr	Thr	Gln	Arg	His																	
				140					145						150																	
ctc	act	gtg	gga	gaa	gaa	tgg	tct	cag	gac	ctt	cac	agt	agc	ggc	cgc	534																
Leu	Thr	Val	Gly	Glu	Glu	Trp	Ser	Gln	Asp	Leu	His	Ser	Ser	Gly	Arg																	
				155					160						165																	
aca	gac	ctc	cgg	tac	tct	tac	cgg	ttt	gtg	tgt	gac	gag	cac	tac	tac	582																
Thr	Asp	Leu	Arg	Tyr	Ser	Tyr	Arg	Phe	Val	Cys	Asp	Glu	His	Tyr	Tyr																	
		170					175					180																				
gga	gaa	ggg	tgc	tct	gtg	ttc	tgc	cga	cct	cgg	gat	gac	gcc	ttt	ggc	630																
Gly	Glu	Gly	Cys	Ser	Val	Phe	Cys	Arg	Pro	Arg	Asp	Asp	Ala	Phe	Gly																	
		185					190					195				200																
cac	ttc	acc	tgc	ggg	gac	aga	ggg	gag	aag	atg	tgc	gac	cct	ggc	tgg	678																
His	Phe	Thr	Cys	Gly	Asp	Arg	Gly	Glu	Lys	Met	Cys	Asp	Pro	Gly	Trp																	
				205					210						215																	
aaa	ggc	cag	tac	tgc	act	gac	cca	atc	tgt	ctg	cca	ggg	tgt	gat	gac	726																
Lys	Gly	Gln	Tyr	Cys	Thr	Asp	Pro	Ile	Cys	Leu	Pro	Gly	Cys	Asp	Asp																	
				220					225						230																	
caa	cat	gga	tac	tgt	gac	aaa	cca	ggg	gag	tgc	aag	tgc	aga	gtt	ggc	774																
Gln	His	Gly	Tyr	Cys	Asp	Lys	Pro	Gly	Glu	Cys	Lys	Cys	Arg	Val	Gly																	
				235					240						245																	

tgg	cag	ggc	cgc	tac	tgc	gat	gag	tgc	atc	cga	tac	cca	ggt	tgt	gtc	822
Trp	Gln	Gly	Arg	Tyr	Cys	Asp	Glu	Cys	Ile	Arg	Tyr	Pro	Gly	Cys	Val	
250						255					260					
cat	ggc	acc	tgc	cag	caa	ccc	tgg	cag	tgt	aac	tgc	cag	gaa	ggc	tgg	870
His	Gly	Thr	Cys	Gln	Gln	Pro	Trp	Gln	Cys	Asn	Cys	Gln	Glu	Gly	Trp	
265					270					275					280	
ggg	ggc	ctt	ttc	tgc	aac	caa	gac	ctg	aac	tac	tgt	act	cac	cat	aag	918
Gly	Gly	Leu	Phe	Cys	Asn	Gln	Asp	Leu	Asn	Tyr	Cys	Thr	His	His	Lys	
				285					290					295		
ccg	tgc	agg	aat	gga	gcc	acc	tgc	acc	aac	acg	ggc	cag	ggg	agc	tac	966
Pro	Cys	Arg	Asn	Gly	Ala	Thr	Cys	Thr	Asn	Thr	Gly	Gln	Gly	Ser	Tyr	
			300					305					310			
aca	tgt	tcc	tgc	cga	cct	ggg	tat	aca	ggt	gcc	aac	tgt	gag	ctg	gaa	1014
Thr	Cys	Ser	Cys	Arg	Pro	Gly	Tyr	Thr	Gly	Ala	Asn	Cys	Glu	Leu	Glu	
		315					320					325				
gta	gat	gag	tgt	gct	cct	agc	ccc	tgc	aag	aac	gga	gcg	agc	tgc	acg	1062
Val	Asp	Glu	Cys	Ala	Pro	Ser	Pro	Cys	Lys	Asn	Gly	Ala	Ser	Cys	Thr	
		330				335					340					
gac	ctt	gag	gac	agc	ttc	tct	tgc	acc	tgc	cct	ccc	ggc	ttc	tat	ggc	1110
Asp	Leu	Glu	Asp	Ser	Phe	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Phe	Tyr	Gly	
345					350					355					360	
aag	gtc	tgt	gag	ctg	agc	gcc	atg	acc	tgt	gca	gat	ggc	cct	tgc	ttc	1158
Lys	Val	Cys	Glu	Leu	Ser	Ala	Met	Thr	Cys	Ala	Asp	Gly	Pro	Cys	Phe	
				365					370					375		
aat	gga	gga	cga	tgt	tca	gat	aac	cct	gac	gga	ggc	tac	acc	tgc	cat	1206
Asn	Gly	Gly	Arg	Cys	Ser	Asp	Asn	Pro	Asp	Gly	Gly	Tyr	Thr	Cys	His	
			380					385					390			
tgc	ccc	ttg	ggc	ttc	tct	ggc	ttc	aac	tgt	gag	aag	aag	atg	gat	ctc	1254
Cys	Pro	Leu	Gly	Phe	Ser	Gly	Phe	Asn	Cys	Glu	Lys	Lys	Met	Asp	Leu	
		395					400					405				
tgc	ggc	tct	tcc	cct	tgt	tct	aac	ggt	gcc	aag	tgt	gtg	gac	ctc	ggc	1302
Cys	Gly	Ser	Ser	Pro	Cys	Ser	Asn	Gly	Ala	Lys	Cys	Val	Asp	Leu	Gly	
	410					415					420					
aac	tct	tac	ctg	tgc	cgg	tgc	cag	gct	ggc	ttc	tcc	ggg	agg	tac	tgc	1350
Asn	Ser	Tyr	Leu	Cys	Arg	Cys	Gln	Ala	Gly	Phe	Ser	Gly	Arg	Tyr	Cys	
425					430					435					440	
gag	gac	aat	gtg	gat	gac	tgt	gcc	tcc	tcc	ccg	tgt	gca	aat	ggg	ggc	1398
Glu	Asp	Asn	Val	Asp	Asp	Cys	Ala	Ser	Ser	Pro	Cys	Ala	Asn	Gly	Gly	
				445					450					455		
acc	tgc	cgg	gac	agt	gtg	aac	gac	ttc	tcc	tgt	acc	tgc	cca	cct	ggc	1446
Thr	Cys	Arg	Asp	Ser	Val	Asn	Asp	Phe	Ser	Cys	Thr	Cys	Pro	Pro	Gly	
			460					465					470			
tac	acg	ggc	aag	aac	tgc	agc	gcc	cct	gtc	agc	agg	tgt	gag	cat	gca	1494
Tyr	Thr	Gly	Lys	Asn	Cys	Ser	Ala	Pro	Val	Ser	Arg	Cys	Glu	His	Ala	
		475					480					485				

ccc tgc cat aat ggg gcc acc tgc cac cag agg ggc cag cgc tac atg	1542
Pro Cys His Asn Gly Ala Thr Cys His Gln Arg Gly Gln Arg Tyr Met	
490 495 500	
tgt gag tgc gcc cag ggc tat ggc ggc ccc aac tgc cag ttt ctg ctc	1590
Cys Glu Cys Ala Gln Gly Tyr Gly Gly Pro Asn Cys Gln Phe Leu Leu	
505 510 515 520	
cct gag cca cca cca ggg ccc atg gtg gtg gac ctc agt gag agg cat	1638
Pro Glu Pro Pro Pro Gly Pro Met Val Val Asp Leu Ser Glu Arg His	
525 530 535	
atg gag agc cag ggc ggg ccc ttc ccc tgg gtg gcc gtg tgt gcc ggg	1686
Met Glu Ser Gln Gly Gly Pro Phe Pro Trp Val Ala Val Cys Ala Gly	
540 545 550	
gtg gtg ctt gtc ctc ctg ctg ctg ctg ggc tgt gct gct gtg gtg gtc	1734
Val Val Leu Val Leu Leu Leu Leu Leu Gly Cys Ala Ala Val Val Val	
555 560 565	
tgc gtc cgg ctg aag cta cag aaa cac cag cct cca cct gaa ccc tgt	1782
Cys Val Arg Leu Lys Leu Gln Lys His Gln Pro Pro Pro Glu Pro Cys	
570 575 580	
ggg gga gag aca gaa acc atg aac aac cta gcc aat tgc cag cgc gag	1830
Gly Gly Glu Thr Glu Thr Met Asn Asn Leu Ala Asn Cys Gln Arg Glu	
585 590 595 600	
aag gac gtt tct gtt agc atc att ggg gct acc cag atc aag aac acc	1878
Lys Asp Val Ser Val Ser Ile Ile Gly Ala Thr Gln Ile Lys Asn Thr	
605 610 615	
aac aag aag gcg gac ttt cac ggg gac cat gga gcc gag aag agc agc	1926
Asn Lys Lys Ala Asp Phe His Gly Asp His Gly Ala Glu Lys Ser Ser	
620 625 630	
ttt aag gtc cga tac ccc act gtg gac tat aac ctc gtt cga gac ctc	1974
Phe Lys Val Arg Tyr Pro Thr Val Asp Tyr Asn Leu Val Arg Asp Leu	
635 640 645	
aag gga gat gaa gcc acg gtc agg gat aca cac agc aaa cgt gac acc	2022
Lys Gly Asp Glu Ala Thr Val Arg Asp Thr His Ser Lys Arg Asp Thr	
650 655 660	
aag tgc cag tca cag agt ctg cag gag aag aga aga tcg ccc caa cac	2070
Lys Cys Gln Ser Gln Ser Leu Gln Glu Lys Arg Arg Ser Pro Gln His	
665 670 675 680	
tta ggg gtg ggg aga ttc ctg aca gaa aac agg cca gag tct gtc tac	2118
Leu Gly Val Gly Arg Phe Leu Thr Glu Asn Arg Pro Glu Ser Val Tyr	
685 690 695	
tct act tca aag gac acc aag tac cag tcg gtg tat gtt ctg tct gca	2166
Ser Thr Ser Lys Asp Thr Lys Tyr Gln Ser Val Tyr Val Leu Ser Ala	
700 705 710	
gaa aag gat gag tgt gtt ata gcg act gag gtg taagatggaa gcgatgtggc	2219
Glu Lys Asp Glu Cys Val Ile Ala Thr Glu Val	
715 720	
aaaattccca tttctcttaa ataaaattcc aaggatatag ccccgatgaa tgctgctgag	2279

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agaggaaggg agaggaaacc cagggactgc tgctgagaac caggttcagg cgaacgtggg 2339
tctctcagag ttagcagagg cgcccgcac tgccagccta ggctttggct gccgctggac 2399
tgccctgctgg ttgttcccat tgcactatgg acagttgctt tgaagagtat atattttaa 2459
ggacgagtga cttgattcat ataggaagca cgcactgccc acacgtctat cttggattac 2519
tatgagccag tctttccttg aactagaaac acaactgcct ttattgtcct ttttgatact 2579
gagatgtgtt tttttttttt cctagacggg aaaaagaaaa cgtgtgttat ttttttggg 2639
atttgtaaaa atatttttca tgattatggg agagctccca acgcgttgga ggt 2692

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<210> 12
<211> 722
<212> PRT
<213> mouse

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<400> 12
Met Gly Arg Arg Ser Ala Leu Ala Leu Ala Val Val Ser Ala Leu Leu
 1          5          10          15
Cys Gln Val Trp Ser Ser Gly Val Phe Glu Leu Lys Leu Gln Glu Phe
 20          25          30
Val Asn Lys Lys Gly Leu Leu Gly Asn Arg Asn Cys Cys Arg Gly Gly
 35          40          45
Ser Gly Pro Pro Cys Ala Cys Arg Thr Phe Phe Arg Val Cys Leu Lys
 50          55          60
His Tyr Gln Ala Ser Val Ser Pro Glu Pro Pro Cys Thr Tyr Gly Ser
 65          70          75          80
Ala Val Thr Pro Val Leu Gly Val Asp Ser Phe Ser Leu Pro Asp Gly
 85          90          95
Ala Gly Ile Asp Pro Ala Phe Ser Asn Pro Ile Arg Phe Pro Phe Gly
100          105          110
Phe Thr Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu Ala Leu His Thr
115          120          125
Asp Ser Pro Asp Asp Leu Ala Thr Glu Asn Pro Glu Arg Leu Ile Ser
130          135          140
Arg Leu Thr Thr Gln Arg His Leu Thr Val Gly Glu Glu Trp Ser Gln
145          150          155          160
Asp Leu His Ser Ser Gly Arg Thr Asp Leu Arg Tyr Ser Tyr Arg Phe
165          170          175
Val Cys Asp Glu His Tyr Tyr Gly Glu Gly Cys Ser Val Phe Cys Arg
180          185          190
Pro Arg Asp Asp Ala Phe Gly His Phe Thr Cys Gly Asp Arg Gly Glu
195          200          205
Lys Met Cys Asp Pro Gly Trp Lys Gly Gln Tyr Cys Thr Asp Pro Ile
210          215          220
Cys Leu Pro Gly Cys Asp Asp Gln His Gly Tyr Cys Asp Lys Pro Gly
225          230          235          240
Glu Cys Lys Cys Arg Val Gly Trp Gln Gly Arg Tyr Cys Asp Glu Cys
245          250          255
Ile Arg Tyr Pro Gly Cys Val His Gly Thr Cys Gln Gln Pro Trp Gln
260          265          270
Cys Asn Cys Gln Glu Gly Trp Gly Gly Leu Phe Cys Asn Gln Asp Leu
275          280          285
Asn Tyr Cys Thr His His Lys Pro Cys Arg Asn Gly Ala Thr Cys Thr
290          295          300
Asn Thr Gly Gln Gly Ser Tyr Thr Cys Ser Cys Arg Pro Gly Tyr Thr
305          310          315          320
Gly Ala Asn Cys Glu Leu Glu Val Asp Glu Cys Ala Pro Ser Pro Cys
325          330          335
Lys Asn Gly Ala Ser Cys Thr Asp Leu Glu Asp Ser Phe Ser Cys Thr
340          345          350
Cys Pro Pro Gly Phe Tyr Gly Lys Val Cys Glu Leu Ser Ala Met Thr
355          360          365
Cys Ala Asp Gly Pro Cys Phe Asn Gly Gly Arg Cys Ser Asp Asn Pro

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370	Asp	Gly	Gly	Tyr	Thr	Cys	His	Cys	Pro	Leu	Gly	Phe	Ser	Gly	Phe	Asn
385						390					395					400
	Cys	Glu	Lys	Lys	Met	Asp	Leu	Cys	Gly	Ser	Ser	Pro	Cys	Ser	Asn	Gly
					405						410					415
	Ala	Lys	Cys	Val	Asp	Leu	Gly	Asn	Ser	Tyr	Leu	Cys	Arg	Cys	Gln	Ala
				420							425				430	
	Gly	Phe	Ser	Gly	Arg	Tyr	Cys	Glu	Asp	Asn	Val	Asp	Asp	Cys	Ala	Ser
			435					440					445			
	Ser	Pro	Cys	Ala	Asn	Gly	Gly	Thr	Cys	Arg	Asp	Ser	Val	Asn	Asp	Phe
		450				455						460				
	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Tyr	Thr	Gly	Lys	Asn	Cys	Ser	Ala	Pro
	465					470					475					480
	Val	Ser	Arg	Cys	Glu	His	Ala	Pro	Cys	His	Asn	Gly	Ala	Thr	Cys	His
					485					490						495
	Gln	Arg	Gly	Gln	Arg	Tyr	Met	Cys	Glu	Cys	Ala	Gln	Gly	Tyr	Gly	Gly
				500					505					510		
	Pro	Asn	Cys	Gln	Phe	Leu	Leu	Pro	Glu	Pro	Pro	Pro	Gly	Pro	Met	Val
			515					520					525			
	Val	Asp	Leu	Ser	Glu	Arg	His	Met	Glu	Ser	Gln	Gly	Gly	Pro	Phe	Pro
		530					535					540				
	Trp	Val	Ala	Val	Cys	Ala	Gly	Val	Val	Leu	Val	Leu	Leu	Leu	Leu	Leu
	545					550					555					560
	Gly	Cys	Ala	Ala	Val	Val	Val	Cys	Val	Arg	Leu	Lys	Leu	Gln	Lys	His
					565					570						575
	Gln	Pro	Pro	Pro	Glu	Pro	Cys	Gly	Gly	Glu	Thr	Glu	Thr	Met	Asn	Asn
				580				585						590		
	Leu	Ala	Asn	Cys	Gln	Arg	Glu	Lys	Asp	Val	Ser	Val	Ser	Ile	Ile	Gly
		595						600					605			
	Ala	Thr	Gln	Ile	Lys	Asn	Thr	Asn	Lys	Lys	Ala	Asp	Phe	His	Gly	Asp
		610				615						620				
	His	Gly	Ala	Glu	Lys	Ser	Ser	Phe	Lys	Val	Arg	Tyr	Pro	Thr	Val	Asp
		625				630					635					640
	Tyr	Asn	Leu	Val	Arg	Asp	Leu	Lys	Gly	Asp	Glu	Ala	Thr	Val	Arg	Asp
					645				650						655	
	Thr	His	Ser	Lys	Arg	Asp	Thr	Lys	Cys	Gln	Ser	Gln	Ser	Leu	Gln	Glu
			660					665						670		
	Lys	Arg	Arg	Ser	Pro	Gln	His	Leu	Gly	Val	Gly	Arg	Phe	Leu	Thr	Glu
		675				680						685				
	Asn	Arg	Pro	Glu	Ser	Val	Tyr	Ser	Thr	Ser	Lys	Asp	Thr	Lys	Tyr	Gln
		690				695					700					
	Ser	Val	Tyr	Val	Leu	Ser	Ala	Glu	Lys	Asp	Glu	Cys	Val	Ile	Ala	Thr
	705					710					715					720
	Glu	Val														

<210> 13
 <211> 578
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Consenses sequence of Chick Delta and Mouse Delta

<400> 13
 Met Gly Arg Leu Leu Ala Ser Ala Leu Leu Cys Val Ser Gly Val Phe
 1 5 10 15
 Glu Leu Lys Leu Gln Glu Phe Val Asn Lys Lys Gly Leu Leu Asn Arg
 20 25 30
 Asn Cys Cys Arg Gly Gly Gly Cys Cys Thr Phe Phe Arg Val Cys Leu

		35					40					45				
Lys	His	Tyr	Gln	Ala	Ser	Val	Ser	Pro	Glu	Pro	Pro	Cys	Thr	Tyr	Gly	
	50					55					60					
Ser	Ala	Thr	Pro	Val	Leu	Gly	Ser	Phe	Ser	Pro	Asp	Gly	Ala	Gly	Asp	
65					70					75					80	
Pro	Ala	Phe	Ser	Asn	Pro	Ile	Arg	Phe	Pro	Phe	Gly	Phe	Thr	Trp	Pro	
				85					90					95		
Gly	Thr	Phe	Ser	Leu	Ile	Ile	Glu	Ala	Leu	His	Thr	Asp	Ser	Pro	Asp	
			100					105					110			
Asp	Leu	Thr	Glu	Asn	Pro	Glu	Arg	Leu	Ile	Ser	Arg	Leu	Thr	Gln	Arg	
		115					120					125				
His	Leu	Val	Gly	Glu	Glu	Trp	Ser	Gln	Asp	Leu	His	Ser	Ser	Gly	Arg	
	130					135					140					
Thr	Asp	Leu	Tyr	Ser	Tyr	Arg	Phe	Val	Cys	Asp	Glu	His	Tyr	Tyr	Gly	
145					150					155					160	
Glu	Gly	Cys	Ser	Val	Phe	Cys	Arg	Pro	Arg	Asp	Asp	Phe	Gly	His	Phe	
				165					170					175		
Thr	Cys	Gly	Arg	Gly	Glu	Lys	Cys	Pro	Gly	Trp	Lys	Gly	Gln	Tyr	Cys	
			180					185					190			
Thr	Pro	Ile	Cys	Leu	Pro	Gly	Cys	Asp	Gln	His	Gly	Cys	Asp	Lys	Pro	
		195					200					205				
Gly	Glu	Cys	Lys	Cys	Arg	Val	Gly	Trp	Gln	Gly	Arg	Tyr	Cys	Asp	Glu	
	210					215					220					
Cys	Ile	Arg	Tyr	Pro	Gly	Cys	Val	His	Gly	Thr	Cys	Gln	Gln	Pro	Trp	
225					230					235					240	
Gln	Cys	Asn	Cys	Gln	Glu	Gly	Trp	Gly	Gly	Leu	Phe	Cys	Asn	Gln	Asp	
				245					250					255		
Leu	Asn	Tyr	Cys	Thr	His	His	Lys	Pro	Cys	Asn	Gly	Ala	Thr	Cys	Thr	
			260					265					270			
Asn	Thr	Gly	Gln	Gly	Ser	Tyr	Thr	Cys	Ser	Cys	Arg	Pro	Gly	Tyr	Thr	
		275					280					285				
Gly	Cys	Glu	Glu	Glu	Cys	Pro	Cys	Lys	Asn	Gly	Ser	Cys	Thr	Asp	Leu	
	290					295					300					
Glu	Ser	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Phe	Tyr	Gly	Lys	Cys	Glu	Leu	
305					310					315					320	
Ser	Ala	Met	Thr	Cys	Ala	Asp	Gly	Pro	Cys	Phe	Asn	Gly	Gly	Arg	Cys	
				325					330					335		
Asp	Asn	Pro	Asp	Gly	Gly	Tyr	Cys	Cys	Pro	Leu	Gly	Ser	Gly	Phe	Asn	
			340					345					350			
Cys	Glu	Lys	Lys	Asp	Cys	Ser	Ser	Pro	Cys	Asn	Gly	Ala	Cys	Val	Asp	
		355					360					365				
Leu	Gly	Asn	Ser	Tyr	Cys	Cys	Gln	Ala	Gly	Phe	Gly	Arg	Cys	Asp	Asn	
	370					375					380					
Val	Asp	Asp	Cys	Ala	Ser	Pro	Cys	Asn	Gly	Gly	Thr	Cys	Asp	Val	Asn	
385					390					395					400	
Asp																

Val Asp Tyr Asn Leu Val Leu Lys Val His Lys Lys Cys Ser Glu Glu
530 535 540
Lys Ala Leu Arg Lys Arg Pro Ser Val Tyr Ser Thr Ser Lys Asp Thr
545 550 555 560
Lys Tyr Gln Ser Val Tyr Val Ser Glu Lys Asp Glu Cys Ile Ala Thr
565 570 575
Glu Val

<210> 14
<211> 525
<212> DNA
<213> Homo sapiens

<400> 14
tacgatgaay aacctggcga actgccagcg tgagaaggac atctcagtca gcatcatcgg 60
ggcyacgtca gatcargaac accaacaaga aggcggactt ymcascgggg gaccasagcg 120
tccgacaaga atggmtttca aggcccgcta cccagcgtg gactataact cgtgcaggac 180
ctcaaggggtg acgacaccgc cgtcaggacg tcgcacagca agcgtgacac caagtgccag 240
tccccaggct cctcagggag gagaagggga ccccgaccac actcaggggk tgcgtgctgc 300
gggccgggct caggaggggg tacctggggg gtgtcttcct ggaaccactg ctccgtttct 360
cttcccaaatt gttctcatgc attcattgtg gattttctct attttcctt tagtggagaa 420
gcatctgaaa gaaaaaggcc ggactcgggc tgttcaactt caaaagacac caagtaccag 480
tcggtgtacg tcatatccga ggagaaggac gagtgcgtca tcgca 525

<210> 15
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Predicted amino acid sequence of humna delta

<220>
<221> VARIANT
<222> 4
<223> Xaa = Any Amino Acid

<400> 15
Tyr Asp Glu Xaa Pro Gly Glu Leu Pro Ala
1 5 10

<210> 16
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Predicted amino acid sequence of humna delta

<220>
<221> VARIANT
<222> 11, 15, 23, 24, 28
<223> Xaa = Any Amino Acid

<400> 16
Glu Gly His Leu Ser Gln His His Arg Gly Xaa Val Arg Ser Xaa Thr
1 5 10 15
Pro Thr Arg Arg Arg Thr Xaa Xaa Arg Gly Thr Xaa Ala Ser Asp Lys

		20						25			30
Asn	Gly	Phe	Gln	Gly	Pro	Leu	Pro	Gln	Arg	Gly	Leu
		35					40				

<210> 17
 <211> 118
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of humna delta

<220>
 <221> VARIANT
 <222> 41
 <223> Xaa = Any Amino Acid

<400> 17
 Leu Val Gln Asp Leu Lys Gly Asp Asp Thr Ala Val Arg Thr Ser His
 1 5 10 15
 Ser Lys Arg Asp Thr Lys Cys Gln Ser Pro Gly Ser Ser Gly Arg Arg
 20 25 30
 Arg Gly Pro Arg Pro His Ser Gly Xaa Ala Cys Cys Gly Pro Gly Ser
 35 40 45
 Gly Gly Gly Thr Trp Gly Val Ser Ser Trp His Cys Ser Val Ser Leu
 50 55 60
 Pro Lys Cys Ser His Ala Phe Ile Val Asp Phe Leu Tyr Phe Pro Phe
 65 70 75 80
 Ser Gly Glu Ala Ser Glu Arg Lys Arg Pro Asp Ser Gly Cys Ser Thr
 85 90 95
 Ser Lys Asp Thr Lys Tyr Gln Ser Val Tyr Val Ile Ser Glu Glu Lys
 100 105 110
 Asp Glu Cys Val Ile Ala
 115

<210> 18
 <211> 173
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of human delta

<220>
 <221> VARIANT
 <222> 34, 35, 39, 44, 96
 <223> Xaa = Any Amino Acid

<400> 18
 Thr Met Asn Asn Leu Ala Asn Cys Gln Arg Glu Lys Asp Ile Ser Val
 1 5 10 15
 Ser Ile Ile Gly Ala Thr Ser Asp Gln Glu His Gln Gln Glu Gly Gly
 20 25 30
 Leu Xaa Xaa Gly Gly Pro Xaa Pro Thr Arg Met Xaa Phe Lys Ala Arg
 35 40 45
 Tyr Pro Ser Val Asp Tyr Asn Ser Cys Arg Thr Ser Arg Val Thr Thr
 50 55 60
 Pro Pro Ser Gly Arg Arg Thr Ala Ser Val Thr Pro Ser Ala Ser Pro
 65 70 75 80

Gln	Ala	Pro	Gln	Gly	Gly	Glu	Gly	Asp	Pro	Asp	His	Thr	Gln	Gly	Xaa
				85					90					95	
Arg	Ala	Ala	Gly	Arg	Ala	Gln	Glu	Gly	Val	Pro	Gly	Gly	Cys	Leu	Pro
			100					105					110		
Gly	Thr	Thr	Ala	Pro	Phe	Leu	Phe	Pro	Asn	Val	Leu	Met	His	Ser	Leu
			115				120					125			
Trp	Ile	Phe	Ser	Ile	Phe	Leu	Leu	Val	Glu	Lys	His	Leu	Lys	Glu	Lys
	130					135					140				
Gly	Arg	Thr	Arg	Ala	Val	Gln	Leu	Gln	Lys	Thr	Pro	Ser	Thr	Ser	Arg
145					150					155					160
Cys	Thr	Ser	Tyr	Pro	Arg	Arg	Arg	Thr	Ser	Ala	Ser	Ser			
				165					170						

<210> 19
 <211> 60
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of human delta

<220>
 <221> VARIANT
 <222> 1, 19, 23, 32, 33, 36, 43
 <223> Xaa = Any Amino Acid

Xaa	Thr	Trp	Arg	Thr	Ala	Ser	Val	Arg	Arg	Thr	Ser	Gln	Ser	Ala	Ser
1				5					10					15	
Ser	Gly	Xaa	Arg	Gln	Ile	Xaa	Asn	Thr	Asn	Lys	Lys	Ala	Asp	Phe	Xaa
			20				25					30			
Xaa	Gly	Asp	Xaa	Ser	Val	Arg	Gln	Glu	Trp	Xaa	Ser	Arg	Pro	Ala	Thr
		35					40					45			
Pro	Ala	Trp	Thr	Ile	Thr	Arg	Ala	Gly	Pro	Gln	Gly				
	50					55					60				

<210> 20
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of human delta

<400> 20
 Arg His Arg Arg Gln Asp Val Ala Gln Gln Ala
 1 5 10

<210> 21
 <211> 61
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of human delta

<400> 21
 His Gln Val Pro Val Pro Arg Leu Leu Arg Glu Glu Lys Gly Thr Pro

1				5					10					15		
Thr	Thr	Leu	Arg	Gly	Cys	Val	Leu	Arg	Ala	Gly	Leu	Arg	Arg	Gly	Tyr	
			20					25					30			
Leu	Gly	Gly	Val	Phe	Leu	Glu	Pro	Leu	Leu	Arg	Phe	Ser	Ser	Gln	Met	
		35					40					45				
Phe	Ser	Cys	Ile	His	Cys	Gly	Phe	Ser	Leu	Phe	Ser	Phe				
	50					55					60					

<210> 22
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of human delta

<400> 22																
Lys	Lys	Lys	Ala	Gly	Leu	Gly	Leu	Phe	Asn	Phe	Lys	Lys	Arg	His	Gln	
1				5				10						15		
Val	Pro	Val	Gly	Val	Arg	His	Ile	Arg	Gly	Glu	Gly	Arg	Val	Arg	His	
			20					25					30			

Arg

<210> 23
 <211> 175
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of human delta

<220>
 <221> VARIANT
 <222> 25, 34, 35, 38, 97
 <223> Xaa = Any Amino Acid

<400> 23																
Thr	Met	Asn	Asn	Leu	Ala	Asn	Cys	Gln	Arg	Glu	Lys	Asp	Ile	Ser	Val	
1				5				10					15			
Ser	Ile	Ile	Gly	Ala	Thr	Gly	Ile	Xaa	Asn	Thr	Asn	Lys	Lys	Ala	Asp	
			20					25					30			
Phe	Xaa	Xaa	Gly	Asp	Xaa	Ser	Ser	Asp	Lys	Asn	Gly	Phe	Gln	Lys	Ala	
		35					40					45				
Arg	Tyr	Pro	Ser	Val	Asp	Tyr	Asn	Leu	Val	Gln	Asp	Leu	Lys	Gly	Asp	
	50					55					60					
Asp	Thr	Ala	Val	Arg	Thr	Ser	His	Ser	Lys	Arg	Asp	Thr	Lys	Cys	Gln	
65					70					75					80	
Ser	Pro	Gly	Ser	Ser	Gly	Arg	Arg	Arg	Gly	Pro	Arg	Pro	His	Ser	Gly	
				85					90					95		
Xaa	Ala	Cys	Cys	Gly	Pro	Gly	Ser	Gly	Gly	Gly	Thr	Trp	Gly	Val	Ser	
			100					105					110			
Ser	Trp	Asn	His	Cys	Ser	Val	Ser	Leu	Pro	Lys	Cys	Ser	His	Ala	Phe	
		115					120					125				
Ile	Val	Asp	Phe	Leu	Tyr	Phe	Pro	Phe	Ser	Gly	Glu	Ala	Ser	Glu	Arg	
	130					135					140					
Lys	Arg	Pro	Asp	Ser	Gly	Cys	Ser	Thr	Ser	Lys	Asp	Thr	Lys	Tyr	Gln	
145					150					155					160	
Ser	Val	Tyr	Val	Ile	Ser	Glu	Glu	Lys	Asp	Glu	Cys	Val	Ile	Ala		

<210> 24
 <211> 2899
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Consenses sequence of mouse delta and human delta

<220>
 <221> misc_feature
 <222> 854, 973, 984, 1582, 1787, 1819, 1864, 1916, 1951, 2033,
 2152, 2156, 2171, 2183, 2194, 2212, 2220, 2226, 2230, 2244,
 2245, 2264, 2265, 2266, 2287
 <223> n = A,T,C or G

<400> 24
 gtccagcggg accatggggc gtcggagcgc gctacccctt gccgtgggtct ctgccctgct 60
 gtgccaggtc tggagctccg gcgtatttga gctgaagctg caggagtctg tcaacaagaa 120
 ggggctgctg ggggaaccgca actgctgccg cgggggctct ggcccgccctt gcgcctgcag 180
 gaccttcttt cgcgtatgcc tcaaccacta ccaggccagc gtgtcaccgg agccaccctg 240
 cacctacggc agtgctgtca cgccagtgt gggctctcgac tccttcagcc tgcctsatk 300
 sgyasgsryc smccycgagg yckwcrgyaw csmyaagyyy gatatcgmmmy tycggcttca 360
 cctggccrgrg yaccttctct ctgatyattg aagcyctcca yacagaytct ccygatgacc 420
 tcgcaacaga aaaccacaga agactcatca gccgcctgrc cacycagagg cacctsackg 480
 tgggmrgarga rtggctcycag gacctkcaca gyagcggccg cacr gacctc mrgtactcyt 540
 accgsttygt gtgtgacgar cactactacg gagarggytg ctctgtkttc tgccgwcyc 600
 gggaygaygc ctyggccac ttcacctgyg gggasmgwgw ggagaarrtg tgraccctg 660
 gctggaaaag scmgtactgc acwgascera tctgyctgcc wggrrgtgat gascarcagt 720
 gatwygtga caaacaggg gartgcaagt gcagagtkgg ctggcagggc cgstactgyg 780
 atgagtgyat ccgytaycca ggytgtctcc atggcacctg ccagcarccc tggcagtgya 840
 actgccagga aggttggggg ggccctttct gcaaccarga cctgaactac tgyacwacc 900
 ataagccstg cargaatgga gccacctgca acmaacacgg gccaggggga gctacacwtg 960
 ktcyttggcc ggnkykgggt ayanagggtg ccamctgyga agcttgggra ktrgaygagt 1020
 tgttgmyccy agcccytggy aagaacggag sgagctksac ggaycttcg agracagctw 1080
 ctcygyacc tgccwcccg gcttctaygg caarrtctgt garytgagy ccacgacctg 1140
 tgcrgayggc ccttgcttya ayggrrggw rtgytcagay arcccygay gaggstacas 1200
 ctgccrytgc ccktggtggt wctcyggctt caactgtgag aagaaratkg ayywctgcr 1260
 ctcttcmmcy tgtttcaayg gtgccaagt gtggacactc ggyraykcyt acctgtccg 1320
 stgcaggyg cgttctcscg ggaggyact ygasgacaay gtggaygact gygcctcctc 1380
 cccgtgygcm aaygggggca cctgcgggga yrgygtgaac gacttgctct gyacctgcc 1440
 rcctggctac acgggcarga actgcagygc cccygycagc aggtgygagc aygcacctg 1500
 ccayaatggg gccacctgcc acsagagggg ccascgctay wtgtgygagt gygccrrrg 1560
 ctayggsygy cccaactgcc anttyctgt cccygaarcy gmccmccmg sccaygggtg 1620
 gtggaamctc msykararm aymtarragr gccr gggsgg gcccwteccc tkgggtgygc 1680
 tgtgygccgg ggtstrtscct gtctctmtgc tgetgctgg ctgtgcyget gtgggtggtc 1740
 gcgtccgggt gargctrac aarcacrrgc cyccascyga mccctgnsgg ggrgagacrg 1800
 araccatgaa caacctrnnc aaytgccagc gygagaagga crtytcwgt yagcatcaty 1860
 gggnyacsca catcaagaac accaacaaga aggcggactt yacggggac cayrgngccr 1920
 asaagaryrg ctyaaggyc cgmtaccmr nkgtggacta taacctcgtk crrgacctca 1980
 agggwgayga mrcrcsgtc agggayrcrc acagcaarcg tgacaccaag tgncaycmc 2040
 agrgctcykg aggrgargag aaggggaycs ccgaccmaca ctyagggggg ggaggaagmw 2100
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 magtcgggtg nygtymtkct ygnagragga agnntgastg ygyataggm rnytgaggt 2220
 gtaarntgg agcgatgtg caannttccc atttctcksa aaknnnatc cmmggatata 2280
 gcycgntga atgctkctga gagaggaagg gagaggaaac ccagggactg ytkytcagaa 2340
 ccaggttcag gcgaagctgg ttctctcaga gttagcagag gcgcccagaca ctgccagcct 2400
 aggcctttgg tgcgctgga ctgcctgctg gttgttccca ttgcactatg gacagttgct 2460
 ttgaagagta tatattttaa tggacgagtg acttgattca tatacgaagc acgcactgcc 2520

```

cacacgtcta tcttggatta ctatgagcca gtctttcctt gaactagaaa cacaactgcc 2580
tttattgtcc tttttgatac tgagatgtgt tttttttttt cctagacggg aaaaagaaaa 2640
cgtgtgttat ttttttgga tttgtaaaaa tttttttcat gatattctgta aagcttgagt 2700
attttgtgac gttcatTTTT ttataattta aatttttgta aatatgtaca aaggcacttc 2760
gggtctatgt gactatatTT ttttgtatat aaatgtatTT atggaatatt gtgcaaattgt 2820
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ataaatataa tgaactaca 2899

```

```

<210> 25
<211> 8
<212> PRT
<213> Artificial Sequence

```

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<220>
<223> sequence encoded by SEQ ID NO. 93 (degenerated
      oligo)

```

```

<400> 25
Glu Lys Asp Glu Cys Val Ile Ala
 1             5

```

```

<210> 26
<211> 1981
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 559, 678, 689, 1287, 1492, 1524, 1569, 1621, 1656, 1738,
1857, 1861, 1876, 1888, 1899, 1917, 1925, 1931, 1935, 1942,
1943, 1952, 1953, 1954, 1968
<223> n = A,T,C or G

```

```

<400> 26
cattgggtac gggccccct cgaggtcgac ggtatcgata agcttgatat cgaattccgg 60
cttcacctgg ccgggcacct tctctctgat tattgaagct ctccacacag attctcctga 120
tgacctcgca acagaaaacc cagaaagact catcagccgc ctggccaccc agaggcacct 180
gacgggtgggc gaggagtggc cccaggacct gcacagcagc ggccgcacgg acctcaagta 240
ctcctaccgc ttcgtgtgtg acgaacacta ctacggagag ggctgctccg ttttctgccg 300
tccccgggac gatgccttcg gccacttcac ctgtggggag cgtggggaga aagtgtgcaa 360
ccctggctgg aaagggccct actgcacaga gccgatctgc ctgcctggat gtgatgagca 420
gcatggatTT tgtgcaaac caggggaatg caagtgcaga gtgggctggc agggccggta 480
ctgtgacgag tgtatccgct atccaggctg tctccatggc acctgccagc agccctggca 540
gtgcaactgc caggaaggnt gggggggcct tttctgcaac caggacctga actactgcac 600
acaccataag ccctgcaaga atggagccac ctgcaacaaa cacgggccag ggggagctac 660
acttgggtctt tggccggnct ggggtacana ggggtgccacc tgcgaagctt ggggattgga 720
cgagttgttg accccagccc ttggttaagaa cggagggagc ttgacggatc ttcggagaac 780
agctactcct gtacctgccc acccggttc tacggcaaaa tctgtgaatt gagtgccatg 840
acctgtgcgg acggcccttg ctttaacggg ggtcgggtgct cagacagccc cgatggaggg 900
tacagctgcc gctgccccgt gggctactcc ggcttcaact gtgagaagaa aattgactac 960
tgcagctctt cacctgttcc taatgggtgcc aagtgtgtgg acctcgggtg tgcctacctg 1020
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tctctcccgt gcgccaacgg gggcacctgc cgggatggcg tgaacgactt ctctgcacc 1140
tgcccgctg gctacacggg caggaactgc agtgcccccg ccagcagggtg cgagcacgca 1200
ccctgccaca atggggccac ctgccacgag aggggccacc gctatttgtg cgagtgtgcc 1260
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gacggagacc atgaacaacc tgnncaactg ccagcgtgag aaggacatct cagtcagcat 1560

```



```

catcggggnc acgcagatca agaacaccaa caagaaggcg gacttccacg gggaccacag 1620
ngccgacaag aatggcttca agggcccgcta cccagnngtg gactataacc tcgtgcagga 1680
cctcaagggt gacgacaccg ccgtcagggg cgcgcacagc aagcgtgaca ccaagtgnca 1740
gccccagggc tcctcagggg aggagaaggg gacccccgac ccacactcag ggggtggagg 1800
aagcatcttg aaagaaaaag gccggacttc gggcttggtc aactttcaaa agacaancaa 1860
ngtacaagtc ggtgtncgtc atttccgnag gaggaaggnt gactgcgtca taggaantt 1920
aggtngtaaa ntggnagttg annttggaag gnnntccccg gattccgntt tcaaagtttt 1980
t 1981

```

```

<210> 27
<211> 31
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> Deduced amino acid sequence using the three
       possible ORF of human Delta contigs

```

```

<400> 27
His Trp Val Arg Ala Pro Leu Glu Val Asp Gly Ile Asp Lys Leu Asp
 1             5             10             15
Ile Glu Phe Arg Leu His Leu Ala Gly His Leu Leu Ser Asp Tyr
      20             25             30

```

```

<210> 28
<211> 7
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> Deduced amino acid sequence using the three
       possible ORF of human Delta contigs

```

```

<400> 28
Ser Ser Pro His Arg Phe Ser
 1             5

```

```

<210> 29
<211> 45
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> Deduced amino acid sequence using the three
       possible ORF of human Delta contigs

```

```

<400> 29
Pro Arg Asn Arg Lys Pro Arg Lys Thr His Gln Pro Pro Gly His Pro
 1             5             10             15
Glu Ala Pro Asp Gly Gly Arg Gly Val Val Pro Gly Pro Ala Gln Gln
      20             25             30
Arg Pro His Gly Pro Gln Val Leu Leu Pro Leu Arg Val
      35             40             45

```

```

<210> 30
<211> 49
<212> PRT
<213> Artificial Sequence

```

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 30
 Arg Thr Leu Leu Arg Arg Gly Leu Leu Arg Phe Pro Ser Pro Gly Arg
 1 5 10 15
 Cys Leu Arg Pro Leu His Leu Trp Gly Ala Trp Gly Glu Ser Val Gln
 20 25 30
 Pro Trp Leu Glu Arg Ala Leu Leu His Arg Ala Asp Leu Pro Ala Trp
 35 40 45
 Met

<210> 31
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 31
 Ala Ala Trp Ile Leu
 1 5

<210> 32
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 32
 Gln Thr Arg Gly Met Gln Val Gln Ser Gly Leu Ala Gly Pro Val Leu
 1 5 10 15

<210> 33
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 25
 <223> Xaa = Any Amino Acid

<400> 33
 Arg Val Tyr Pro Leu Ser Arg Leu Ser Pro Trp His Leu Pro Ala Ala
 1 5 10 15

Leu Ala Val Gln Leu Pro Gly Arg Xaa Gly Gly Pro Phe Leu Gln Pro
 20 25 30
 Gly Pro Glu Leu Leu His Thr Pro
 35 40

<210> 34
 <211> 45
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 27
 <223> Xaa = Any Amino Acid

<400> 34
 Ala Leu Gln Glu Trp Ser His Leu Gln Gln Thr Arg Ala Arg Gly Ser
 1 5 10 15
 Tyr Thr Trp Ser Leu Ala Gly Leu Gly Tyr Xaa Gly Cys His Leu Arg
 20 25 30
 Ser Leu Gly Ile Gly Arg Val Val Asp Pro Ser Pro Trp
 35 40 45

<210> 35
 <211> 196
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 166, 179
 <223> Xaa = Any Amino Acid

<400> 35
 Glu Arg Arg Glu Leu Asp Gly Ser Ser Glu Asn Ser Tyr Ser Cys Thr
 1 5 10 15
 Cys Pro Pro Gly Phe Tyr Gly Lys Ile Cys Glu Leu Ser Ala Met Thr
 20 25 30
 Cys Ala Asp Gly Pro Cys Phe Asn Gly Gly Arg Cys Ser Asp Pro Asp
 35 40 45
 Gly Gly Tyr Ser Cys Arg Cys Pro Val Gly Tyr Ser Gly Phe Asn Cys
 50 55 60
 Glu Lys Lys Ile Asp Tyr Cys Ser Ser Ser Pro Cys Ser Asn Gly Ala
 65 70 75 80
 Lys Cys Val Asp Leu Gly Asp Ala Tyr Leu Cys Arg Gly Gln Ala Gly
 85 90 95
 Phe Ser Gly Arg His Cys Asp Asp Asn Val Asp Asp Cys Ala Ser Ser
 100 105 110
 Pro Cys Ala Asn Gly Gly Thr Cys Arg Asp Gly Val Asn Asp Phe Ser
 115 120 125
 Cys Thr Cys Pro Pro Gly Tyr Thr Gly Arg Asn Cys Ser Ala Pro Ala

```

      130              135              140
Ser Arg Cys Glu His Ala Pro Cys His Asn Gly Ala Thr Cys His Glu
145              150              155              160
Arg Gly His Arg Tyr Xaa Cys Glu Cys Ala Arg Ser Tyr Gly Gly Pro
      165              170
Asn Cys Xaa Phe Leu Leu Pro Glu Thr Ala Pro Pro Ala Pro Arg Trp
      180              185              190
Trp Lys Leu Pro
      195

```

```

<210> 36
<211> 65
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> Deduced amino acid sequence using the three
      possible ORF of human Delta contigs

```

```

<220>
<221> VARIANT
<222> 51
<223> Xaa = Any Amino Acid

```

```

<400> 36
Lys Asn Leu Lys Gly Pro Gly Gly Ala His Pro Leu Gly Gly Arg Val
 1              5              10              15
Arg Arg Gly His Pro Cys Pro His Ala Ala Ala Gly Leu Cys Arg Cys
      20              25              30
Gly Gly Leu Arg Pro Ala Glu Ala Ala Glu Ala Pro Ala Pro Ser Arg
      35              40              45
Pro Leu Xaa Gly Gly Asp Gly Asp His Glu Gln Pro Gly Gln Leu Pro
      50              55              60
Ala
65

```

```

<210> 37
<211> 42
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> Deduced amino acid sequence using the three
      possible ORF of human Delta contigs

```

```

<220>
<221> VARIANT
<222> 28, 39
<223> Xaa = Any Amino Acid

```

```

<400> 37
Glu Gly His Leu Ser Gln His His Arg Gly His Ala Asp Gln Glu His
 1              5              10              15
Gln Gln Glu Gly Gly Leu Pro Arg Gly Pro Gln Xaa Arg Gln Glu Trp
      20              25              30
Leu Gln Gly Pro Leu Pro Xaa Gly Gly Leu
      35              40

```

<210> 38
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 38
 Pro Arg Ala Gly Pro Gln Gly
 1 5

<210> 39
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 39
 Arg His Arg Arg Gln Gly Arg Ala Gln Gln Ala
 1 5 10

<210> 40
 <211> 57
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 4, 43, 45, 50, 54
 <223> Xaa = Any Amino Acid

<400> 40
 His Gln Val Xaa Ala Pro Gly Leu Leu Arg Gly Gly Glu Gly Asp Pro
 1 5 10 15
 Arg Pro Thr Leu Arg Gly Trp Arg Lys His Leu Glu Arg Lys Arg Pro
 20 25 30
 Asp Phe Gly Leu Val Gln Leu Ser Lys Asp Xaa Gln Xaa Thr Ser Arg
 35 40 45
 Cys Xaa Ser Phe Pro Xaa Glu Glu Gly
 50 55

<210> 41
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

```

<220>
<221> VARIANT
<222> 5, 8
<223> Xaa = Any Amino Acid

<400> 41
Leu Arg His Arg Xaa Leu Arg Xaa
1           5

<210> 42
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Deduced amino acid sequence using the three
      possible ORF of human Delta contigs

<220>
<221> VARIANT
<222> 1, 4, 5
<223> Xaa = Any Amino Acid

<400> 42
Xaa Trp Lys Xaa Xaa Pro Gly Phe Arg Phe Gln Ser Phe
1           5           10

<210> 43
<211> 276
<212> PRT
<213> Artificial Sequence

<220>
<223> Deduced amino acid sequence using the three
      possible ORF of human Delta contigs

<220>
<221> VARIANT
<222> 226, 230
<223> Xaa = Any Amino Acid

<400> 43
Ile Gly Tyr Gly Pro Pro Ser Arg Ser Thr Val Ser Ile Ser Leu Ile
1           5           10           15
Ser Asn Ser Gly Phe Thr Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu
20           25           30
Ala Leu His Thr Asp Ser Pro Asp Asp Leu Ala Thr Glu Asn Pro Glu
35           40           45
Arg Leu Ile Ser Arg Leu Ala Thr Gln Arg His Leu Thr Val Gly Glu
50           55           60
Glu Trp Ser Gln Asp Leu His Ser Ser Gly Arg Thr Asp Leu Lys Tyr
65           70           75           80
Ser Tyr Arg Phe Val Cys Asp Glu His Tyr Tyr Gly Glu Gly Cys Ser
85           90           95
Val Phe Cys Arg Pro Arg Asp Asp Ala Phe Gly His Phe Thr Cys Gly
100          105          110
Glu Arg Gly Glu Lys Val Cys Asn Pro Gly Trp Lys Gly Pro Tyr Cys
115          120          125

```

Thr	Glu	Pro	Ile	Cys	Leu	Pro	Gly	Cys	Asp	Glu	Gln	His	Gly	Phe	Cys
130						135					140				
Asp	Lys	Pro	Gly	Glu	Cys	Lys	Cys	Arg	Val	Gly	Trp	Gln	Gly	Arg	Tyr
145					150					155					160
Cys	Asp	Glu	Cys	Ile	Arg	Tyr	Pro	Gly	Cys	Leu	His	Gly	Thr	Cys	Gln
				165					170					175	
Gln	Pro	Trp	Gln	Cys	Asn	Cys	Gln	Glu	Gly	Trp	Gly	Gly	Leu	Phe	Cys
			180					185					190		
Asn	Gln	Asp	Leu	Asn	Tyr	Cys	Thr	His	His	Lys	Pro	Cys	Lys	Asn	Gly
		195					200					205			
Ala	Thr	Cys	Asn	Lys	His	Gly	Pro	Gly	Gly	Ala	Thr	Leu	Gly	Leu	Trp
210						215					220				
Pro	Xaa	Trp	Gly	Thr	Xaa	Gly	Ala	Thr	Cys	Glu	Ala	Trp	Gly	Leu	Asp
225					230					235					240
Glu	Leu	Leu	Thr	Pro	Ala	Leu	Gly	Lys	Asn	Gly	Gly	Ser	Leu	Thr	Asp
				245					250					255	
Leu	Arg	Arg	Thr	Ala	Thr	Pro	Val	Pro	Ala	His	Pro	Ala	Ser	Thr	Ala
			260					265					270		
Lys	Ser	Val	Asn												
			275												

<210> 44
 <211> 93
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 44
Pro Val Arg Thr Ala Leu Ala Leu Thr Gly Val Gly Ala Gln Thr Ala
1 5 10 15
Pro Met Glu Gly Thr Ala Ala Ala Ala Pro Trp Ala Thr Pro Ala Ser
20 25 30
Thr Val Arg Arg Lys Leu Thr Thr Ala Ala Leu His Pro Val Leu Met
35 40 45
Val Pro Ser Val Trp Thr Ser Val Met Pro Thr Cys Ala Ala Ala Arg
50 55 60
Pro Ala Ser Arg Gly Gly Thr Val Thr Thr Thr Trp Thr Thr Ala Pro
65 70 75 80
Pro Pro Arg Ala Pro Thr Gly Ala Pro Ala Gly Met Ala
85 90

<210> 45
 <211> 74
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 55
 <223> Xaa = Any Amino Acid

<400> 45

Thr	Thr	Ser	Pro	Ala	Pro	Ala	Arg	Leu	Ala	Thr	Arg	Ala	Gly	Thr	Ala
1				5					10					15	
Val	Pro	Pro	Pro	Ala	Gly	Ala	Ser	Thr	His	Pro	Ala	Thr	Met	Gly	Pro
			20				25						30		
Pro	Ala	Thr	Arg	Gly	Ala	Thr	Ala	Ile	Cys	Ala	Ser	Val	Pro	Glu	Ala
		35					40					45			
Thr	Gly	Val	Pro	Thr	Ala	Xaa	Ser	Cys	Pro	Lys	Leu	Pro	Pro	Arg	Pro
	50					55					60				
His	Gly	Gly	Gly	Asn	Ser	Pro	Lys	Lys	Thr						
65					70										

<210> 46
 <211> 187
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 47, 58, 73, 101, 128, 167, 168, 181, 187
 <223> Xaa = Any Amino Acid

Lys	Gly	Arg	Gly	Gly	Pro	Ile	Pro	Leu	Val	Asp	Val	Cys	Ala	Gly	Val
1				5				10						15	
Ile	Leu	Val	Leu	Met	Leu	Leu	Leu	Gly	Cys	Ala	Ala	Val	Val	Val	Cys
			20				25						30		
Val	Arg	Leu	Arg	Leu	Gln	Lys	His	Arg	Pro	Pro	Ala	Asp	Pro	Xaa	Arg
		35				40						45			
Gly	Glu	Thr	Glu	Thr	Met	Asn	Asn	Leu	Xaa	Asn	Cys	Gln	Arg	Glu	Lys
	50				55					60					
Asp	Ile	Ser	Val	Ser	Ile	Ile	Gly	Xaa	Thr	Gln	Ile	Lys	Asn	Thr	Asn
65					70				75					80	
Lys	Lys	Ala	Asp	Phe	His	Gly	Asp	His	Ala	Asp	Lys	Asn	Gly	Phe	Lys
			85				90						95		
Ala	Arg	Tyr	Pro	Xaa	Val	Asp	Tyr	Asn	Leu	Val	Gln	Asp	Leu	Lys	Gly
			100				105						110		
Asp	Asp	Thr	Ala	Val	Arg	Asp	Ala	His	Ser	Lys	Arg	Asp	Thr	Lys	Xaa
		115				120						125			
Gln	Pro	Gln	Gly	Ser	Ser	Gly	Glu	Glu	Gly	Thr	Pro	Asp	Pro	His	Ser
	130					135					140				
Gly	Gly	Gly	Gly	Ser	Ile	Leu	Lys	Glu	Lys	Gly	Arg	Thr	Ser	Gly	Leu
145				150					155					160	
Phe	Asn	Phe	Gln	Lys	Thr	Xaa	Xaa	Val	Gln	Val	Gly	Val	Arg	His	Phe
			165					170					175		
Arg	Arg	Arg	Lys	Xaa	Asp	Cys	Val	Ile	Gly	Xaa					
			180					185							

<210> 47
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 2, 4, 5, 7, 8, 11, 16
 <223> Xaa = Any Amino Acid

 <400> 47
 Gly Xaa Lys Xaa Xaa Val Xaa Xaa Gly Lys Xaa Ser Pro Asp Ser Xaa
 1 5 10 15
 Phe Lys Val Phe
 20

 <210> 48
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

 <400> 48
 Leu Gly Thr Gly Pro Pro Arg Gly Arg Arg Tyr Arg
 1 5 10

 <210> 49
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

 <400> 49
 Tyr Arg Ile Pro Ala Ser Pro Gly Arg Ala Pro Ser Leu
 1 5 10

 <210> 50
 <211> 30
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

 <400> 50
 Leu Leu Lys Leu Ser Thr Gln Ile Leu Leu Met Thr Ser Gln Gln Lys
 1 5 10 15
 Thr Gln Lys Asp Ser Ser Ala Ala Trp Pro Pro Arg Gly Thr
 20 25 30

 <210> 51
 <211> 135
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 126
 <223> Xaa = Any Amino Acid

<400> 51
 Arg Trp Ala Arg Ser Gly Pro Arg Thr Cys Thr Ala Ala Ala Ala Arg
 1 5 10 15
 Thr Ser Ser Thr Pro Thr Ala Ser Cys Val Thr Asn Thr Thr Thr Glu
 20 25 30
 Arg Ala Ala Pro Phe Ser Ala Val Pro Gly Thr Met Pro Ser Ala Thr
 35 40 45
 Ser Pro Val Cys Ser Val Gly Arg Lys Cys Ala Thr Leu Ala Gly Lys
 50 55 60
 Gly Pro Thr Ala Gln Ser Arg Ser Ala Cys Leu Asp Val Met Ser Ser
 65 70 75 80
 Met Asp Phe Phe Val Thr Asn Gln Asn Ala Ser Ala Glu Trp Ala Gly
 85 90 95
 Arg Ala Gly Thr Val Thr Ser Val Ser Ala Ile Gln Ala Val Ser Met
 100 105 110
 Ala Pro Ala Ser Ser Pro Gly Ser Ala Thr Ala Arg Lys Xaa Gly Gly
 115 120 125
 Ala Phe Ser Ala Thr Arg Thr
 130 135

<210> 52
 <211> 46
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 30, 33
 <223> Xaa = Any Amino Acid

<400> 52
 Thr Thr Ala His Thr Ile Ser Pro Ala Arg Met Glu Pro Pro Ala Thr
 1 5 10 15
 Asn Thr Gly Gln Gly Glu Leu His Leu Val Phe Gly Arg Xaa Gly Val
 20 25 30
 Xaa Arg Val Pro Pro Ala Lys Leu Gly Asp Trp Thr Ser Cys
 35 40 45

<210> 53
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three

possible ORF of human Delta contigs

<400> 53

Pro Gln Pro Leu Val Arg Thr Glu Gln Glu
1 5 10

<210> 54

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three
possible ORF of human Delta contigs

<400> 54

Arg Ile Phe Gly Glu Gln Leu Leu Leu Tyr Leu Pro Thr Arg Leu Leu
1 5 10 15

Arg Gln Asn Leu
20

<210> 55

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three
possible ORF of human Delta contigs

<400> 55

Ile Glu Cys His Asp Leu Cys Gly Arg Pro Leu Leu
1 5 10

<210> 56

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three
possible ORF of human Delta contigs

<400> 56

Arg Gly Ser Val Leu Arg Gln Pro Arg Trp Arg Val Gln Leu Pro Leu
1 5 10 15

Pro Arg Gly Leu Leu Arg Leu Gln Leu
20 25

<210> 57

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three
possible ORF of human Delta contigs

<400> 57
 Leu Leu Gln Leu Phe Thr Leu Phe
 1 5

<210> 58
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 58
 Trp Cys Gln Val Cys Gly Pro Arg
 1 5

<210> 59
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 59
 Cys Leu Pro Val Pro Leu Pro Gly Arg Leu Leu Gly Glu Ala Leu
 1 5 10 15

<210> 60
 <211> 131
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 76
 <223> Xaa = Any Amino Acid

<400> 60
 Arg Gln Arg Gly Arg Leu Arg Leu Leu Pro Val Arg Gln Gly His Leu
 1 5 10 15
 Pro Gly Trp Arg Glu Arg Leu Leu Leu His Leu Pro Ala Trp Leu His
 20 25 30
 Gly Gln Glu Leu Gln Cys Pro Arg Gln Gln Val Arg Ala Arg Thr Leu
 35 40 45
 Pro Gln Trp Gly His Leu Pro Arg Glu Gly Pro Pro Leu Phe Val Arg
 50 55 60
 Val Cys Pro Lys Leu Arg Gly Ser Gln Leu Pro Xaa Pro Ala Pro Arg
 65 70 75 80
 Asn Cys Pro Pro Gly Pro Thr Val Val Glu Thr Pro Leu Lys Lys Pro
 85 90 95

Lys Arg Ala Gly Gly Gly Pro Ser Pro Trp Trp Thr Cys Ala Pro Gly
 100 105 110
 Ser Ser Leu Ser Ser Cys Cys Cys Trp Ala Val Pro Leu Trp Trp Ser
 115 120 125
 Ala Ser Gly
 130

<210> 61
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 12
 <223> Xaa = Any Amino Acid

<400> 61
 Gly Cys Arg Ser Thr Gly Pro Gln Pro Thr Pro Xaa Gly Gly Arg Arg
 1 5 10 15
 Arg Pro

<210> 62
 <211> 98
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 4, 19, 36, 48, 75
 <223> Xaa = Any Amino Acid

<400> 62
 Thr Thr Trp Xaa Thr Ala Ser Val Arg Arg Thr Ser Gln Ser Ala Ser
 1 5 10 15
 Ser Gly Xaa Arg Arg Ser Arg Thr Pro Thr Arg Arg Arg Thr Ser Thr
 20 25 30
 Gly Thr Thr Xaa Pro Thr Arg Met Ala Ser Arg Pro Ala Thr Gln Xaa
 35 40 45
 Trp Thr Ile Thr Ser Cys Arg Thr Ser Arg Val Thr Thr Pro Pro Ser
 50 55 60
 Gly Thr Arg Thr Ala Ser Val Thr Pro Ser Xaa Ser Pro Arg Ala Pro
 65 70 75 80
 Gln Gly Arg Arg Arg Cys Pro Pro Thr His Thr Gln Gly Val Glu Glu
 85 90 95
 Ala Ser

<210> 63

<211> 33
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

 <220>
 <221> VARIANT
 <222> 16, 17, 22, 26, 30
 <223> Xaa = Any Amino Acid

 <400> 63
 Lys Lys Lys Ala Gly Leu Arg Ala Cys Ser Thr Phe Lys Arg Gln Xaa
 1 5 10 15
 Xaa Tyr Lys Ser Val Xaa Val Ile Ser Xaa Gly Gly Arg Xaa Thr Ala
 20 25 30
 Ser

 <210> 64
 <211> 22
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

 <220>
 <221> VARIANT
 <222> 2, 6, 8, 10, 13, 14, 19
 <223> Xaa = Any Amino Acid

 <400> 64
 Glu Xaa Glu Val Val Xaa Trp Xaa Leu Xaa Leu Glu Xaa Xaa Pro Arg
 1 5 10 15
 Ile Pro Xaa Ser Lys Phe
 20

 <210> 65
 <211> 192
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Composite human delta (H-Delta-1) amino acid
 sequence

 <400> 65
 Gly Phe Thr Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu Ala Leu His
 1 5 10 15
 Thr Asp Ser Pro Asp Asp Leu Ala Thr Glu Asn Pro Glu Arg Leu Ile
 20 25 30
 Ser Arg Leu Ala Thr Gln Arg His Leu Thr Val Gly Glu Glu Trp Ser
 35 40 45
 Gln Asp Leu His Ser Ser Gly Arg Thr Asp Leu Lys Tyr Ser Tyr Arg
 50 55 60

Phe	Val	Cys	Asp	Glu	His	Tyr	Tyr	Gly	Glu	Gly	Cys	Ser	Val	Phe	Cys
65					70					75					80
Arg	Pro	Arg	Asp	Asp	Ala	Phe	Gly	His	Phe	Thr	Cys	Gly	Glu	Arg	Gly
			85						90					95	
Glu	Lys	Val	Cys	Asn	Pro	Gly	Trp	Lys	Gly	Pro	Tyr	Cys	Thr	Glu	Pro
			100					105					110		
Ile	Cys	Leu	Pro	Gly	Cys	Asp	Glu	Gln	His	Gly	Phe	Cys	Asp	Lys	Pro
		115					120					125			
Gly	Glu	Cys	Lys	Cys	Arg	Val	Gly	Trp	Gln	Gly	Arg	Tyr	Cys	Asp	Glu
		130				135					140				
Cys	Ile	Arg	Tyr	Pro	Gly	Cys	Leu	His	Gly	Thr	Cys	Gln	Gln	Pro	Trp
145					150					155					160
Gln	Cys	Asn	Cys	Gln	Glu	Gly	Trp	Gly	Gly	Leu	Phe	Cys	Asn	Gln	Asp
				165				170						175	
Leu	Asn	Tyr	Cys	Thr	His	His	Lys	Pro	Cys	Lys	Asn	Gly	Ala	Thr	Cys
			180					185					190		

<210> 66
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid sequence

<400> 66
 Thr Asn Thr Gly Gln Gly
 1 5

<210> 67
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid sequence

<400> 67
 Lys Asn Gly Gly Ser Leu Thr Asp Leu
 1 5

<210> 68
 <211> 157
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid sequence

<400> 68
 Glu Asn Ser Tyr Ser Cys Thr Cys Pro Pro Gly Phe Tyr Gly Lys Ile
 1 5 10 15
 Cys Glu Leu Ser Ala Met Thr Cys Ala Asp Gly Pro Cys Phe Asn Gly
 20 25 30
 Gly Arg Cys Ser Asp Ser Pro Asp Gly Gly Tyr Ser Cys Arg Cys Pro

		35					40					45					
Val	Gly	Tyr	Ser	Gly	Phe	Asn	Cys	Glu	Lys	Lys	Ile	Asp	Tyr	Cys	Ser		
	50					55					60						
Ser	Ser	Pro	Cys	Ser	Asn	Gly	Ala	Lys	Cys	Val	Asp	Leu	Gly	Asp	Ala		
65					70					75					80		
Tyr	Leu	Cys	Arg	Cys	Gln	Ala	Gly	Phe	Ser	Gly	Arg	His	Cys	Asp	Asp		
				85					90					95			
Asn	Val	Asp	Asp	Cys	Ala	Ser	Ser	Pro	Cys	Ala	Asn	Gly	Gly	Thr	Cys		
			100					105					110				
Arg	Asp	Gly	Val	Asn	Asp	Phe	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Tyr	Thr		
		115					120					125					
Gly	Arg	Asn	Cys	Ser	Ala	Pro	Ala	Ser	Arg	Cys	Glu	His	Ala	Pro	Cys		
	130					135					140						
His	Asn	Gly	Ala	Thr	Cys	His	Glu	Arg	Gly	His	Arg	Tyr					
145					150					155							

<210> 69

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid sequence

<400> 69

Cys	Glu	Cys	Ala	Arg	Ser	Tyr	Gly	Gly	Pro	Asn	Cys
1				5					10		

<210> 70

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid sequence

<400> 70

Phe	Leu	Leu	Pro	Glu
1			5	

<210> 71

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid sequence

<400> 71

Pro	Pro	Gly	Pro
1			

<210> 72

<211> 25

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid
 sequence

<400> 72
 Leu Leu Leu Gly Cys Ala Ala Val Val Val Cys Val Arg Leu Arg Leu
 1 5 10 15
 Gln Lys His Arg Pro Pro Ala Asp Pro
 20 25

<210> 73
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid
 sequence

<400> 73
 Arg Gly Glu Thr Glu Thr Met Asn Asn Leu
 1 5 10

<210> 74
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid
 sequence

<400> 74
 Asn Cys Gln Arg Glu Lys Asp Ile Ser Val Ser Ile Ile Gly
 1 5 10

<210> 75
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid
 sequence

<400> 75
 Thr Gln Ile Lys Asn Thr Asn Lys Lys Ala Asp Phe His Gly Asp His
 1 5 10 15

<210> 76
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 76
Ala Asp Lys Asn Gly Phe Lys Ala Arg Tyr Pro
1 5 10

<210> 77
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 77
Val Asp Tyr Asn Leu Val Gln Asp Leu Lys Gly Asp Asp Thr Ala Val
1 5 10 15
Arg Asp Ala His Ser Lys Arg Asp Thr Lys
20 25

<210> 78
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 78
Gln Pro Gln Gly Ser Ser Gly Glu Glu Lys Gly Thr Pro
1 5 10

<210> 79
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 79
Pro Thr Leu Arg
1

<210> 80
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 80
Arg Lys Arg Pro
1

<210> 81
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Degenerated oligo as primer

<220>
<221> VARIANT
<222> 6, 12, 18, 21
<223> n = I (Inosine)

<400> 81
ttcggnttya cntggccngg nac

23

<210> 82
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Degenerated oligo as primer

<220>
<221> VARIANT
<222> 3, 9, 12, 15
<223> n = I (Inosine)

<400> 82
tcnatgcang tncncrrtt

20

<210> 83
<211> 8
<212> PRT
<213> Drosophila

<400> 83
Phe Gly Phe Thr Trp Pro Gly Thr
1 5

<210> 84
<211> 7
<212> PRT
<213> Drosophila

<400> 84
Asn Gly Gly Thr Cys Ile Asp
1 5

<210> 85
<211> 12
<212> PRT

<213> Drosophila

<400> 85

Ser Ile Pro Pro Gly Ser Arg Thr Ser Leu Gly Val
1 5 10

<210> 86

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer 1 for PCR

<220>

<221> VARIANT

<222> 3, 9, 15, 18, 21

<223> n = I (Inosine)

<400> 86

ggnttcacnt ggccnggnac ntt

23

<210> 87

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer 2 for PCR

<220>

<221> VARIANT

<222> 3, 6, 18

<223> n = I (Inosine)

<400> 87

gtncncncrt tyttcangg rtt

23

<210> 88

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> EGF-like repeats encoded by SEQ ID NO. 87

<400> 88

Asn Pro Cys Lys Asn Gly Gly Thr
1 5

<210> 89

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> degenerated oligo primer

<220>

<221> VARIANT
<222> 3, 15, 18
<223> n = I (Inosine)

<400> 89
acnatgaaya ayctngcnaa ytg

23

<210> 90
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> amino acid encoded by SEQ ID NO. 89

<400> 90
Thr Met Asn Asn Leu Ala Asn Cys
1 5

<210> 91
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> degenerated oligo primer

<220>
<221> VARIANT
<222> 6, 9, 21
<223> n = I (Inosine)

<400> 91
acrtanacng aytgrtaytt ng

23

<210> 92
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> amino acid sequence encoded by SEQ ID NO. 91

<400> 92
Thr Lys Tyr Gln Ser Val Tyr Val
1 5

<210> 93
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> degenerated oligo

<220>
<221> VARIANT
<222> 6
<223> n = I (Inosine)

<400> 93
g c d a t n a c r c a y t c r t c y t t y t c

23

<210> 94
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> amino acid sequence endocoded by SEQ ID NO. 86

<400> 94
Gly Phe Thr Trp Pro Gly Thr Phe
1 5

<210> 95
<211> 129
<212> PRT
<213> Gallus gallus

<220>
<223> chicken C-Delta-1

<400> 95
Thr Met Asn Asn Leu Ala Asn Cys Gln Arg Glu Lys Asp Ile Ser Ile
1 5 10 15
Ser Val Ile Gly Ala Thr Gln Ile Lys Asn Thr Asn Lys Lys Val Asp
20 25 30
Phe His Ser Asp Asn Ser Asp Lys Asn Gly Tyr Lys Val Arg Tyr Pro
35 40 45
Ser Val Asp Tyr Asn Leu Val His Glu Leu Lys Asn Glu Asp Ser Val
50 55 60
Lys Glu Glu His Gly Lys Cys Glu Ala Lys Cys Glu Thr Tyr Asp Ser
65 70 75 80
Glu Ala Glu Glu Lys Ser Ala Val Gln Leu Lys Ser Ser Asp Thr Ser
85 90 95
Glu Arg Lys Arg Pro Asp Ser Val Tyr Ser Thr Ser Lys Asp Thr Lys
100 105 110
Tyr Gln Ser Val Tyr Val Ile Ser Glu Glu Lys Asp Glu Cys Ile Ile
115 120 125
Ala